

# Renumbered Claims

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## AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

<sup>2</sup>/~~1~~. (Previously Presented) A yeast cell containing the *SRBI/PSA1* gene and the *PKC1* gene each operatively linked to a heterologous inducible promoter.

<sup>3</sup>/~~2~~. (Original) The yeast cell according to claim <sup>2</sup>/~~1~~ wherein the yeast cell is a strain of *Saccharomyces cerevisiae*.

<sup>4</sup>/~~3~~. (Original) The yeast cell according to claim <sup>2</sup>/~~1~~ wherein the yeast cell is a strain of *Pichia pastoris*, *Hansenula polymorpha* or *Kluyveromyces lactis*.

<sup>5</sup>/~~4~~. (Previously Presented) The yeast cell according to claim <sup>2</sup>/~~1~~ wherein at least one of the genes is operatively linked to a methionine regulated promoter.

<sup>6</sup>/~~5~~. (Original) The yeast cell according to claim <sup>5</sup>/~~4~~ wherein the methionine regulated promoter is *pMET3*.

<sup>7</sup>/~~6~~. (Currently Amended) The yeast cell according to claim <sup>6</sup>/~~5~~ wherein ~~the~~ said *PKC1* gene operatively linked to an inducible promoter is the *PKC1* gene and operatively

linked inducible promoter of derived from a the recombinant vector selected from  
pRS316-pMET3-PKCI, pRS316-F<sub>1</sub>F<sub>2</sub>-pMET3-PKCI or pRS316-F<sub>1</sub>F<sub>2</sub>-TRP1-pMET3-  
PKCI.

~~8~~ 7. (Currently Amended) The yeast cell according to claim ~~6~~ wherein the said  
SRBI/PSAI gene operatively linked to an inducible promoter is the SRBI/PSAI gene and  
operatively linked inducible promoter of derived from the recombinant vector SRB1.9e.

~~9~~ 8. (Currently Amended) The yeast cell according to claim ~~7~~ wherein the said  
PKCI gene operatively linked to an inducible promoter is the PKCI gene and operatively  
linked inducible promoter of derived from a the recombinant vector selected from  
pRS316-pMET3-PKCI, pRS316-F<sub>1</sub>F<sub>2</sub>-pMET3-PKCI or pRS316-F<sub>1</sub>F<sub>2</sub>-TRP1-pMET3-  
PKCI.

~~12~~ 9. (Previously Presented) A method of regulating yeast cell lysis comprising:  
(i) growing yeast cells containing the *SRBI/PSAI* gene and the *PKCI*  
gene each operatively linked to an inducible promoter in a growth medium  
which activates the inducible promoter such that *SRBI/PSAI* and *PKCI* are  
expressed from said cells; and

- (ii) when lysis is required, growing the cells in a modified growth medium which represses *SRB1/PSA1* and *PKC1* expression such that cell lysis is induced.

<sup>13</sup>  
~~10.~~ (Previously Presented) The method according to claim <sup>12</sup>~~9~~ wherein the yeast cells contain the *SRB1/PSA1* gene and the *PKC1* gene each operatively linked to a heterologous inducible promoter.

<sup>14</sup>  
~~11.~~ (Previously Presented) The method according to claim <sup>12</sup>~~9~~ wherein the inducible promoter is *pMET*, the growth medium is methionine-free and the modified growth medium contains methionine.

<sup>15</sup>  
~~12.~~ (Original) The method according to claim <sup>14</sup>~~11~~ wherein the modified medium contains from between 0.05mM and 20mM methionine.

<sup>16</sup>  
~~13.~~ (Previously Presented) A method of isolating protein from yeast cells comprising growing cells and inducing lysis according to claim <sup>12</sup>~~9~~ and separating the protein released from the lysed yeast cells from yeast cell debris / ghosts.

<sup>17</sup>  
~~14.~~ (Currently Amended) The method according to claim <sup>16</sup>~~13~~ for isolating recombinant proteins expressed ~~ex-pressed~~ from genetically engineered yeast cells.

15. (Withdrawn) A method of regulating yeast cell flocculation comprising:
- (i) growing yeast cells containing the *PKC1* gene operatively linked to an inducible promoter in a growth medium which activates the inducible promoter such that *PKC1* is expressed; and
  - (ii) when flocculation is required, growing the cells in a modified growth medium which represses *PKC1* expression such that flocculation is induced.
16. (Withdrawn) The method according to claim 15 wherein the yeast cells are a strain of *Saccharomyces cerevisiae*
17. (Withdrawn) The method according to claim 15 wherein the yeast cells are a strain of *Pichia pastoris*, *Hansenula polymorpha* or *Kluyveromyces lactis*.
18. (Withdrawn) The method according to claim 15 wherein the *PKC1* gene is operatively linked to a methionine regulated promoter.
19. (Withdrawn) he method according to claim 18 wherein the methionine regulated promoter is *pMET3*.

20. (Withdrawn) The method according to claim 19 wherein the yeast cells contain the *PKC1* gene operatively linked to *pMET3* derived from a recombinant vector selected from *pRS316-pMET3-PKC1*, *pRS316-F<sub>1</sub>F<sub>2</sub>-pMET3-PKC1* or *pRS316-F<sub>1</sub>F<sub>2</sub>-TRP1-pMET3-PKC1*.

21. (Withdrawn) The method according to claim 20 wherein the yeast cells are ZO-126.

22. (Withdrawn) The method according to claim 15 wherein the yeast cells are ZO123 or ZO124 transformed with the *PKC1* gene operatively linked to an inducible promoter.

23. (Withdrawn) The method according to claim 15 for increasing the sedimentation of yeast cells or cell ghosts / debris from a medium within which the yeast cells are grown.

24. (Withdrawn) A method of fermentation comprising growing yeast cells containing the *SRB1/PSA1* gene operatively linked to a heterologous promoter in a growth medium in which *SRB1/PSA1* expression is regulated by the heterologous promoter whereby said cells flocculate.

25. (Withdrawn) The method according to claim 24 wherein the yeast cell is a strain of *Saccharomyces cerevisiae*

26. (Withdrawn) The method according to claim 24 wherein the yeast cell is a strain of *Pichia pastoris*, *Hansenula polymorpha* or *Kluyveromyces lactis*.

27. (Withdrawn) The method according to claim 24 wherein the *SRB1/PSA1* gene or is operatively linked to a methionine regulated promoter.

28. (Withdrawn) The method according to claim 27 wherein the methionine regulated promoter is *pMET3*.

29. (Withdrawn) The method according to claim 28 wherein the *SRB1/PSA1* gene operatively linked to an inducible promoter is derived from the recombinant vector *SRB1.9e*.

30. (Withdrawn) The method according to claim 29 wherein the yeast cells are *ZO-125*.

31. (Withdrawn) The method according to claim 29 wherein the yeast cells are *FY23SRB1MET3*.

32 (Withdrawn) A method of fermentation comprising growing yeast cells containing the *SRB1/PSA1* and *PKC1* gene operatively linked to a heterologous promoter in a growth medium in which *SRB1/PSA1* and *PKC1* expression is regulated by the heterologous promoter whereby said cells flocculate.

33. (Withdrawn) The method according to claim 32 wherein the yeast cells contain the *SRB1/PSA1* gene and the *PKC1* gene each operatively linked to a heterologous inducible promoter.

34. (Withdrawn) The method according to claim 32 wherein the cells contain the *PKC1* gene operatively linked to a heterologous inducible promoter and the *SRB1/PSA1* gene operatively linked to a heterologous promoter.

~~35.~~<sup>10</sup> (Currently Amended) A yeast cell containing the *PKC1* gene operatively linked to a heterologous inducible promoter selected from the group consisting of:

(i) ZO124 transformed with pRS316-p*MET3-PKC1*, pRS316-F<sub>1</sub>F<sub>2</sub>-p*MET3-PKC1* or pRS316-F<sub>1</sub>F<sub>2</sub>-TRP1-p*MET3-PKC1*;

(ii) ZO123 transformed with pRS316-p*MET3-PKC1* or p*MET3-PKC1* containing fragments ~~derived from~~ of pRS316-F<sub>1</sub>F<sub>2</sub>-p*MET3-PKC1* or pRS316-F<sub>1</sub>F<sub>2</sub>-TRP1-p*MET3-PKC1*; and

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(iii) yeast strain ZO-126.

Claim 36 (Cancelled).

~~37~~<sup>1</sup>. (Currently Amended) A yeast cell containing the *PKC1* gene operatively linked to a heterologous inducible promoter and the *SRB1/PSA1* gene thereof operatively linked to a heterologous promoter.

~~38~~<sup>11</sup>. (Previously Presented) A yeast cell according to claim ~~35 or 37~~<sup>1 or 10</sup> wherein the promoter or promoters is/are *pMET3*.